

Recovery Plan Action Status

Plan Name: Recovery Plan for *Chamaesyce skottsbergii* var *kalaeloana* and *Achyranthes splendens* var *rotundata*

Plan Status: Draft

Plan Date: 05-Oct-93

Lead Agency: USFWS

Lead Office: Pacific Islands Fish And Wildlife Office

(408)
792-9400)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	111	Protect BPNAS populations following base closure	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1121	Survey BPNAS populations	Ongoing Current			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Research: Population Surveys	Internal Field Assistance, Species Expert	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1122	Control encroaching plants at BPNAS	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1123	Monitor/control insect infestations at BPNAS	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1124	Reduce risk of fire at NASBP	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1125	Consider fencing of NASBP populations	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed], U.S. Fish and Wildlife Service National Wildlife Refuge System	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1126	Monitor populations at NASBP	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	121	Protect U.S. Coast Guard population 3.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1221	Survey USCG population 3.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1222	Fence USCG population 3	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, United States Coast Guard	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1223	Control encroaching plants at USCG population 3.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1224	Monitor/control insect infestations at USCG population 3	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1225	Reduce the risk of fire at USCG population 3.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1226	Monitor USCG population 3	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	131	Protect Campbell Estate populations.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1321	Survey populations in Campbell Industrial Park	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1323	Fence Achyranthes population 3.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1324	Control encroaching plants at Campbell Industrial Park	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1325	Monitor/control insect infestations at Campbell Industrial Park	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1326	Control pollutants at Campbell Industrial Park	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1327	Reduce fire risk at Campbell Industrial Park.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	1328	Monitor Campbell Industrial Park populations.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Campbell Estate	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	151	Control encroaching plants at Achyranthes population 2.	Not Started			Hawaii Department of Land and Natural Resources, Cook Inlet Region, Inc.	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	152	Monitor/control insect infestation at Achyranthes population 2	Not Started			Hawaii Department of Land and Natural Resources, Cook Inlet Region, Inc.	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	153	Control pollution at Achyranthes population 2	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Cook Inlet Region, Inc.	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	154	Reduce risk of fire at Achyranthes population 2.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Cook Inlet Region, Inc.	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	155	Monitor Achyranthes population 2.	Not Started			Hawaii Department of Land and Natural Resources, Cook Inlet Region, Inc.	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	161	Consider extension of NAR in Ka'ena	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	162	Protect Ka'ena populations.	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	163	Manage Ka'ena populations	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	1	164	Monitor Ka'ena populations.	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	2	212	Propagate Achyranthes, if necessary	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	2	22	Augment existing populations, if necessary.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Naval Air Station at Barbers Point [base now closed]	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	2	23	Re-establish Achyranthes where extirpated.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	3	321	Determine number of Achyranthes populations needed for long term survival.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	3	322	Determine number of Achyranthes individuals needed for long term survival.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Ewa Plains `akoko (Chamaesyce skottsbergii var. kalaeloana), Round-leaved chaff-flower (Achyranthes splendens var. rotundata)	3	33	Revise recovery objectives if necessary.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division	Work type not yet selected	Labor type not yet selected	